



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

88276-1

Date of Issuance:

3/9/2015

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

OCTOPOL DSM-30

Name and Address of Registrant (include ZIP Code):

Jonathan Hayes
Tiarco Chemical Company
1300 Tiarco Drive S.W.
Dalton, Georgia 30720

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Elizabeth H. Watkins

Elizabeth Watkins, Acting Product Manager 33
Regulatory Management Branch I, Antimicrobials Division
(7510P)

Date:

3/9/2015

2. Be aware that proposed data requirements have been identified in a Nabam and Dimethyldithiocarbamate Salts Work Plans. For more information on these proposed data requirements, you may contact the Team Leader for PM Team 36:
http://www.epa.gov/oppad001/contacts_ad.htm.
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. Accelerated storage stability and corrosion characteristics study can be used, at the registrant's discretion, to fulfill these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 88276-1."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/02/2014

If you have any questions, please contact Elizabeth Watkins by phone at 703-347-0241, or via email at Watkins.Elizabeth@epa.gov.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if adsorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking and chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT

All Industrial workers applying this product must wear coveralls over a long-sleeved shirt and long pants, shoes, socks, and chemical-resistant gloves. During dilution, a chemical-resistant apron and goggles or face shield must also be worn.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply (or use) in estuarine oil fields where drilling fluids (muds) are discharged in the surface water. Do not contaminate water by cleaning of equipment or disposal of waste. Do not discharge effluent containing this product into lakes streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State water Board or Region office of the EPA.

GENERAL PRECAUTIONS AND RESTRICTIONS

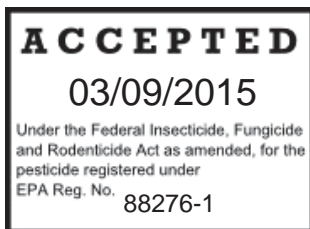
Do not apply this product in a way that will contact worker or other persons.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such Instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove PPE Immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. User should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.



OCTOPOL® DSM-30

ACTIVE INGREDIENTS

Sodium Dimethyldithiocarbamate.....	15.8%
Nabam (Disodium Ethylene Bis-dithiocarbamate).....	15.8%
OTHER INGREDIENTS	68.4%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also call 1-914-693-6946 day or night for emergency medical treatment information. **For Chemical Emergency Spill, Leak, Fire, Explosive, or Accident Call CHEMTREC—Day or Night 1-800-424-9300**

See Side Panel For Additional Precautionary Statements.

Manufactured by:

TIARCO CHEMICAL COMPANY

1300 Tiarco Drive Dalton, GA 30721

Phone 706-270-5959 Fax 706-277-9039

E.P.A. Establishment No.

Liquid Measure: Liquid

E.P.A Registration No.

NET WEIGHT:

LBS

ENGINEERING CONTROLS

This product must be loaded and transferred only using a metering-pump system or a closed loading/application system for the following uses: industrial recirculating water cooling tower and evaporative condensers, air washers, drilling fluids, secondary and tertiary petroleum recovery, fracturing fluids, workover and completion fluids, flue gas desulfurization (FGD) thickeners, hydrocarbon fluids storage, paper mill, beet sugar mills, and cane sugar mills. Open pouring is prohibited.

OCTOPOL DSM-30 is a highly effective bactericide and fungicide for use in controlling the growth of bacteria and fungi found in paper mills, drilling fluids, secondary and tertiary petroleum recovery, fracturing fluids, workover and completion fluids, flue gas desulfurization thickeners, hydrocarbon fluids storage, beet sugar mills and cane sugar mills.

OCTOPOL DSM-30 in addition to being a bactericide and fungicide is also a highly effective algicide for use in controlling the growth of algae, as well as bacteria and fungi found in industrial recirculating water cooling towers and evaporator condensers, and air washers.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product must not be used on any food or field crop or to formulate any product for use on any food or field crop.

See Technical Data Sheet(s) for additional use pattern(s).

**INDUSTRIAL RECIRCULATING WATER COOLING TOWER
AND EVAPORATIVE CONDENSERS**

Dosage for industrial recirculating water cooling tower or evaporator condensers will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply **OCTOPOL DSM-30** to the cleaned system or when growth is first noticed, according to the following schedule:

INITIAL DOSE: Apply 13.06-43.60 ounces of product per each 1000 gallons of water in the system (97.8-443.8 ppm). This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms.

SUBSEQUENT DOSE: When microbial control is evident add 2.18-4.36 ounces of **OCTOPOL DSM-30** per 1000 gallons of water (16.3-44.4 ppm) in the system every three days or needed.

AIR WASHERS

In treating air washer systems pre-clean by introducing a suitable detergent solution into the system and allow air washers to run with fan off for two hours. Check all nozzles and manually clean those that are plugged.

Feeding: **OCTOPOL DSM-30** may be fed directly from the drum or diluted with water 2nd fed by any suitable feed system. **OCTOPOL DSM-30** should be dosed directly into the sump or basin or any other location where good distribution can be assured.

INITIAL DOSE: Apply 13.06-21.80 ounces of product per each 1000 gallons of water in the system (97.8-221.9 ppm). This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-form organisms.

SUBSEQUENT DOSE: When microbial control is evident add 2.18-4.36 fluid ounces of **OCTOPOL DSM-30** per 1000 gallons of water (16.3-44.4 ppm) in the system every three days or as needed.

DRILLING FLUIDS

OCTOPOL DSM-30 is a highly effective microbicide for use in controlling growth of fungi and bacteria found in water based drilling muds. It is especially useful in muds containing starches, Xanthanate gums, and wood sugars. The uncontrolled growth of these fungi and bacteria can cause increased corrosion, undesirable odors, and degradation of the drilling mud, especially fluid loss properties.

OCTOPOL DSM-30 is used at the rate of 1 to 5 gallons per 100bbl. of mud. (0.024% to 0.12%). It can be used directly from the shipping container or pre-diluted with water. It can be put in through the mud hopper or added to the pump suction.

SECONDARY AND TERTIARY PETROLEUM RECOVERY

OCTOPOL DSM-30 is a highly effective microbicide for use in controlling growth of fungi and bacteria found in secondary and tertiary petroleum recovery water flood systems.

OCTOPOL DSM-30 can be injected directly from the Shipping container. It should be thoroughly mixed into the produced water, fresh or salt water or commingled water or the secondary or tertiary oil recover water flood systems for effective microorganism control. It may also be diluted with water for injection.

FRACTURING FLUIDS

OCTOPOL DSM-30 is a highly effective microbicide for controlling the growth of bacteria in fracturing fluids. The application rates are 0.81 to 4.3 lbs. per 1000 gallons of fracturing fluids. **OCTOPOL DSM-30** may be added and premixed prior to the fracturing operation or may be added directly from the drum to the blender during the operation.

WORKOVER & COMPLETION FLUIDS

OCTOPOL DSM-30 is a highly effective microbicide for use in controlling the growth of fungi and bacteria found in the based workover and completion fluids. **OCTOPOL DSM-30** is used at the rate 1-4 quarts per 1000 gallons (0.025%-0.100%) of workover or completion fluids.

FLUE GAS DESULFERIZATION (FGD) THICKENERS (NOT APPLICABLE IN CALIFORNIA)

OCTOPOL DSM-30 is effective in controlling anaerobic bacteria (SRB's) in flue gas desulfurization (FGD) thickeners.

OCTOPOL DSM-30 is metered directly to the thickener center well. It is fed at the rate of 50 to 500 ppm of product on a frequency of at least once per week or as required.

PAPER MILLS

Dosage will vary from 0.1 to 2.0 pounds (0.04 to 0.81 quarts) of **OCTOPOL DSM-30** per ton of finished paper depending on the type of stock, complexity of the system, quality of raw water, and type and degree of contamination.

FEEDING: **OCTOPOL DSM-30** may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types; variable speed, positive displacement types; or by the reciprocating type. This product should be fed as early as possible in the system at such points including the hydropulper, machine chest or broke system.

OCTOPOL DSM-30 can be used to control slime on machines which can make paper and paperboard for use in food packaging.

BEET SUGAR MILLS

OCTOPOL DSM-30 should be fed directly into the pulp press water during sugar extraction of beets to keep equipment free of bacterial slime deposits. It is to be used at the rate of 10-20 ppm for raw beets sliced and fed continuously with a metering pump. A portion of the **OCTOPOL DSM-30** may be fed into other streams entering the diffuser each at a minimum rate or 4 ppm. The maximum total rate of all streams to be fed is 20 ppm. Refer to Composite Table 1 for the proper dosage in milliliters and ounces of **OCTOPOL DSM-30** to be used per minute.

CANE SUGAR MILLS

OCTOPOL DSM-30 is a liquid which should be fed directly into the can juice so that the treated juice circulates to all parts of the mill tandem. The point or points of addition will depend upon design. Frequently the dosage will be split between the crusher juice and juice from the last mill. The best addition point is to the juice which is circulated back to the crusher from the first mill. Do not add this product to the maceration water.

OCTOPOL DSM-30 should be fed continuously at the rate of 10-20 parts of product per million parts of cane ground per day. 10 ppm of product is the standard dosage. This may be raised up to a maximum of 20 ppm, if necessary. Conditions warranting, some increase would be warranted when grinding cane damaged through freezing, poor weather or delays between cutting and grinding. See feeding directions which follow.

Proper feed of **OCTOPOL DSM-30** is best obtained through the use of a chemical feed pump such as the adjustable proportioning type; the variable speed, positive displacement type; or the reciprocating type. The required dosage will depend on the average daily rate of cane ground. Refer to Composite Table 1 for the proper dosage in millimeters and ounces of **OCTOPOL DSM-30** to be used per minute.

Do not exceed feed rate of 4 gallons of product per 1000 short tons of cane ground per twenty four hours.

The use of **OCTOPOL DSM-30** does not replace good housekeeping. This should include regular cleaning at least once per shift. Regular hosing with hot water and steam of mills, bagacillo conveyors, and screens is essential for maintaining efficient control of micro biological slime and sucrose losses.

COMPOSITE TABLE 1

SHORT TONS OF CANE GROUND OR RAW BEETS SLICED PER DAY	RATE OF FEED OCTOPOL DSM-30 10PPM ml/min	RATE OF FEED OCTOPOL DSM-30 10PPM oz/min	RATE OF FEED OCTOPOL DSM-30 20PPM ml/min	RATE OF FEED OCTOPOL DSM-30 20PPM oz/min
1,000	5.5	0.186	11	0.372
2,000	11.0	0.372	22	0.744
3,000	16.5	0.558	33	1.115
4,000	22.0	0.744	44	1.487
5,000	27.5	0.930	55	1.859
6,000	33.0	1.115	66	2.231
7,000	38.5	1.301	77	2.603
8,000	44.0	1.487	88	2.974
9,000	49.5	1.673	99	3.347
10,000	55.0	1.859	110	3.716

**For Chemical Emergency
Spill, Leak, Fire, Explosive, or Accident
Call CHEMTREC—Day or Night
1-800-424-9300**

TIARCO CHEMICAL COMPANY warrants that this product complies with the specifications expressed on the label. To the extent consistent with applicable law, TIARCO CHEMICAL COMPANY makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Keep from freezing. Do not store below 32 °F

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Non-refillable Container. Do not reuse or refill this container.

Plastic Containers (> 5 gallons): Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Plastic Containers (≤ 5 gallons): Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip, fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times.

If burned, stay out of smoke. Consult federal, state or local disposal authorities for approved alternative procedures.

Refillable container.

Metal Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate rigorously or recirculate water the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Then offer for recycling If available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning.